



THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: **Satoru KAWAHARA et al.**

Serial No.: **10/623,590**

Group Art Unit: Not yet assigned

Filed: **July 22, 2003**

Examiner: Not yet assigned

For: **OPTICAL FILM AND LIQUID CRYSTAL DISPLAY USING  
THE SAME**

**INFORMATION DISCLOSURE STATEMENT**  
**PURSUANT TO 37 CFR 1.97(b)**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

October 23, 2003

Sir:

The attention of the Patent and Trademark Office is hereby directed to the documents listed on the attached Form PTO-1449. One copy of each of these documents is attached.

No fee or certification is required in connection with this Information Disclosure Statement, since it is being submitted prior to the issuance of a first official action on the merits or expiration of the three month period following the filing date (or the entry of the national stage) of the above-captioned application.

The above information is presented so that the Patent and Trademark Office can, in the first instance, determine any materiality thereof to the claimed invention. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the documents cited in the attached Form PTO-1449 be made of record therein and appear on the first page of any patent to issue therefrom.

Serial No.:10/623,590

The Commissioner is authorized to charge our Deposit Account No. 50-2866 for any fee which is deemed by the Patent and Trademark Office to be required to effect consideration of this statement.

Respectfully submitted,

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**38834**

PATENT TRADEMARK OFFICE

PTO-1449 and 17 references

**INFORMATION  
DISCLOSURE  
STATEMENT**  
PTO-1449

Atty. Docket No.: 030841	Serial No.: 10/623,590
Applicants: Satoru KAWAHARA et al.	
Filing Date: July 22, 2003	Group Art Unit: Not yet assigned

OCT 23 2003

**U.S. PATENT DOCUMENTS**

Examiner Initial		Document No.	Name	Date	Class	Subclass	Filing Date (If appropriate)
_____	AA	6,433,853	Kameyama et al.	08/13/2002	349	176	02/02/1999
_____	AB	6,565,974	Uchiyama et al.	05/20/2003	428	412	06/30/2002
_____	AC	5,709,946	Jackson et al.	01/20/1998	428	413	02/01/1995
_____	AD	5,560,864	Goulding	10/01/1996	252	299.01	02/22/1995 (Corresp. DE 19504224 on Page 14 in the spec.)
_____	AE	5,833,880	Siemensmeyer et al.	11/10/1998	252	299.64	02/27/1995 (Corresp DE 4408171 on the Page 14 in the spec.)

**FOREIGN PATENT DOCUMENTS**

	Document No.	Date	Country	Translation (Yes or No)
_____	AF	11-248941	09/17/1999 Japan	Yes (Corresponding to "AA"), See page 2 in the spec.
_____	AG	WO 00/26705	05/11/2000 PCT	Yes (Corresponding to "AB") See page 8, 11 in the spec.
_____	AH	2002-174724	06/21/2002 Japan	Yes (Abstract Only), See page 10, 29 in the spec.
_____	AI	8-239496	09/17/1996 Japan	Yes (Corresponding to "AC") See page 14, 28 in the spec.
_____	AJ	WO 93/22397	11/11/1993 PCT	N/A, See page 14 in the spec.
_____	AK	0 261 712	03/30/1988 Europe	N/A, See page 14 in the spec.
_____	AL	2 280 445	02/01/1995 Great Britain	N/A, See page 14 in the spec.
_____	AM	WO 98/00428	01/08/1998 PCT	N/A, See page 14 in the spec.
_____	AN	2001-343529	12/14/2001 Japan	Yes (Corresponding to EP 1 160 591) See the page 18 in the spec.
_____	AO	WO 01/37007	05/25/2001 PCT	Yes (Corresponding to EP 1 160 591) See the page 18 in the spec.
_____	AP	1 160 591	12/05/2001 Europe	N/A, See "AN" & "AO"
_____	AR	2001-55455	02/27/2001 Japan	Yes (Abstract Only), See page 33 in the spec.

Examiner

Date Considered